

PHOTOVOLTAIC

Photovoltaic/Solar Panel Installation Information

PURPOSE: Document Submittal List for Photovoltaic/Solar Panel Installation

General Information: Building Permits are required for the installations of photovoltaic systems, residential and non-residential. The typical plan review time for a residential (one and two family dwelling) project is three (3) working days. The review time for non-residential system projects may take up to fifteen (15) working days. Same day review and permit issuance is available for small residential rooftop PV systems (10Kw and smaller) every Wednesday between 8:30 am and 12:00 pm. The City's website provides additional information on small residential PV system at www.fremont.gov/solarpermits.

1.	Documen	t Sub	omittal List	
	A. Drawings – three (3) sets of:			
			Site Plan – 11" x 17" minimum size	
			(Foundation Plan (if ground mounted) Cross Sections Structural Framing Details & Notes
			Electrical Single Line	Drawing – 11" x 17" minimum size
	В.	Calc	culations/Specifications Structural Calculation Specification sheets for Mounting System.	
	C.	Phot	Colored Photos of the Existing Main Service Panel and Sub-panels (if applicable) that are Part of tovoltaic System with the dead front cover(s) in place and with the dead front removed.	
	D.	Othe	er Documents Building Permit Appl Owner/Builder Form	
2.	Informati	on to	be Included on Do	cuments
	A.	Site	Location of PV arrays Location of electrical junction boxes and ba	s, all equipment, raceway locations, etc. service, sub panels, combiner boxes, inverter, ac and dc disconnects, conduit, ttery banks ances to show compliance with California Residential Code (CRC) R908
	В.	Stru-	weatherproofing syste	information ofing roof penetrations (flashing is required for ALL penetrations in the roof em pursuant to California Residential Code, Chapter 9 pecification sheets and fire classification rating.

	C. Ele	Electrical Plan. Electrical line diagram showing the array configuration, types, and sizes of new and existing conductors, overcurrent protection, inverter, disconnects, and AC connection to the premise wiring system. Method of bonding for modules and racking system		
		Load calculations if applicable		
		Footing: pier and grade beams		
	D. Inf	rmation		
		Name, title, address, and contact phone number of design professional		
		Address of property and name, address, contact phone number of property owner		
		Cover Sheet Information:		
		1. Applicable codes		
		2. Description and scope of work		
		3. Occupancy Type (e.g., R-3 for single family residences) and type of construction (e.g. Type V for wood-framed construction).		
Note:	Ad	lditional information may be required after initial plan review.		